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TELECOPIER COVER LETTER

To: Examiner Y. Lin

From: William B. Slate

FAX #: 703-872-9306

Date: May 23, 2005

Your Ref.: SN 10/652,643

Our Ref.: EH-10592 (02-648)

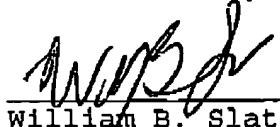
Number of Pages including this sheet: 11

Confirmation Copy to Follow: Yes XX No

* Comments:

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I hereby certify that this correspondence is being faxed this 23rd day of May, 2005 to the USPTO, at Fax No. 1-703-872-9306.



William B. Slate

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PTO/SB/17 (12-04v2)

Approved for use through 07/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fee pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

400.00

Complete if Known

Application Number	10/652,643
Filing Date	August 28, 2003
First Named Inventor	Steven J. Bullied
Examiner Name	Kuang Y. Lin
Art Unit	1725
Attorney Docket No.	EH-10592 (02-648)

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order None Other (please identify): _____

 Deposit Account Deposit Account Number: 21-0279 Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Small Entity

Fee (\$)

Fee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Multiple Dependent Claims

Fee (\$)

Fee Paid (\$)

Fee (\$)

Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$)

Fee Paid (\$)

5 - 3 or HP = 2 x 200 = 400

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

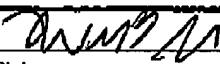
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
		- 100 = / 50 = (round up to a whole number) x =		

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fee Paid (\$)

Other (e.g., late filing surcharge): _____

SUBMITTED BY	
Signature	
Name (Print/Type)	Registration No. 37,238 (Attorney/Agent)
Telephone 203-777-6828	
Date May 23, 2005	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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MAY 23 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No.:	10/652,643	Att'y Docket:	EH-10592 (02-648)
Filing Date:	August 28, 2003	Conf No.:	1822
Inventor(s):	Steven J. Bullied et al.	Group Art Unit:	1725
Assignee:	United Technologies Corporation	Examiner:	Kuang Y. Lin
Title:	INVESTMENT CASTING		

Correspondence Address:
Customer Number 34704

AMENDMENT UNDER 37 C.F.R. 1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

05/24/2005 STEUMEL1 00000049 210279 10652643

01 FC:1201 400.00 DA

Ser. No. 10/652,643

Introductory Comments

In response to the Office Action mailed February 23, 2005, for which a response is due on May 23, 2005, please amend the application as follows: